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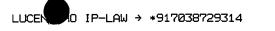
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Serial No. 09/525,090

IN THE CLAIMS

Please make the following claim substitutions:

- 1. (Canceled) 1
- 2. (Canceled) 1
- 3. (Canceled) 1
- 4. (Canceled) 1
- 1 5. (Canceled)
- 6. (Canceled) 1
 - 7. (Currently amended) A method for use in a node of a network comprising:
 - transmitting location information of the node to other nodes of the network that are a part of a local topology of the node, wherein said location information comprises a global position represented by at least two coordinates,
- transmitting a location list to nodes of the local topology that are adjacent, 5 wherein the location list comprises location information of at least some of the nodes of 6 7 the network, and
 - The method of claim 5 wherein at least one of the transmitting steps is periodically performed.
 - 8. (Canceled)
- 9. (Previously presented) Apparatus for use in a node of a network, the 1 apparatus comprising: 2
 - a global positioning system receiver for determining location information of the node:
 - a memory for storing a location list comprising location information for other nodes of the network, wherein said location information comprises a global position represented by at least two coordinates; and
- 8 a communications interface for transmitting, at different times, the determined location information of the node, and the stored location list, to at least one other node 9 of the network. 10

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11. (Canceled)

- 12. (Currently amended) A method for use in a node of a network comprising:

 storing location information of other nodes of the network, wherein said location information comprises a global position represented by at least two coordinates.
- exchanging the stored location information with adjacent nodes of the network,
 and
 - The method-of-claim 1, wherein said node stores a local topology and said node stores said location information of other nodes within and outside said local topology.
 - 13. (Previously presented) The method of claim 12, wherein said node uses a geometry-based routing protocol to transmit said location information to nodes outside of said local topology.
 - 14. (Previously presented) The method of claim 13, wherein said node determines a distance from a destination node outside of said local topology to nodes in said local topology using said geometry-based routing protocol and said location information to identify the closest node in said local topology for routing to said destination node.
 - 15. (Currently amended) The method of claim 12 4, wherein said node determines said coordinates from information received from a global positioning system.
 - 16. (Canceled)
 - 17. (Previously presented) The method of claim 12, said local topology of said node being nodes located within a predetermined number of hops from said node.
 - 18. (Previously presented) The method of claim 17, wherein said local topology of said node comprises a first set of nodes having a point-to-point link to said node and a second set of nodes having a point-to-point link to a node in said first set of nodes.
 - 19. (Canceled)